

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,614,143 B2
APPLICATION NO. : 09/942272
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INVENTOR(S) : Jindong Zhang and Robert E. Newnham

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 9

Line 44, in Claim 4, "materials" should read --material--.

Column 9

Lines 62 to 65, in Claim 9, the phrase: "wherein said first and second electrical fields have an amplitude and phase relationship such that said electro active device produces a combined flexural and bending motion" should be deleted; and

should be replace by: --second electro active substrates each having a second opposed planar surface joined to an endcap having a truncated conical shape, said method comprising: applying a first electrical field to a said first electro active substrate; applying a second electrical field to said second electro active substrate, wherein said first and second electrical fields have an amplitude and phase relationship such that said electro active device produces a combined flexural and bending motion, thereby producing said directional beam.--

Column 10

Line 17, in Claim 15 "respectively," should read --respectively.--

Lines 18 to 29, in Claim 15 should be deleted.

Signed and Sealed this

Nineteenth Day of February, 2008

A handwritten signature in black ink, appearing to read "Jon W. Dudas". The signature is stylized with a large, looped initial "J" and a cursive "Dudas".

JON W. DUDAS
Director of the United States Patent and Trademark Office